

PrepQuant™ Genomic DNA ECQ 2000 Kit

Automated solution for nucleic acid extraction, concentration and quantification

Designed for high-performance workflows, such as measurable residual disease (MRD) testing, the PrepQuant Genomic DNA ECQ 2000 Kit is specifically designed for use with the PrepQuant System. This kit consists of the prefilled barcoded reagent cartridges developed to streamline your workflow, combining genomic DNA extraction, concentration and quantification from up to 2 mL of blood and bone marrow samples with a fully automated cost-effective workflow.

The kit features room temperature prefilled, barcoded reagent cartridges that eliminate manual reagent preparation and reduce hands-on time.

Using advanced magnetic bead-based technology, the system automates the complete sample preparation process, including lysis, DNA binding, washing, elution, concentration, and quantification. This ensures consistent yields, high purity, and reproducible results from all your samples.



Features	Specifications
Specimen Type	Up to 2 mL of Peripheral Blood or Bone Marrow
Elution Volume	50 µL
Concentration Range*	477 - 1106 ng/µL
Yield Range*	24 - 55 µg
Reagent Type	Pre-filled Cartridges
Extraction and Concentration Technology	Magnetic Bead-based
Quantification Technology	Fluorescence-based
Sample Throughput	1 - 24
Processing Time	≤ 3 hours
Storage Conditions	Room Temperature

* Values represent 95% of 546 pooled peripheral blood specimens, each with an average input of 5 million cells, run with Genomic DNA ECQ 2000 kits.

Genomic DNA Performance Data

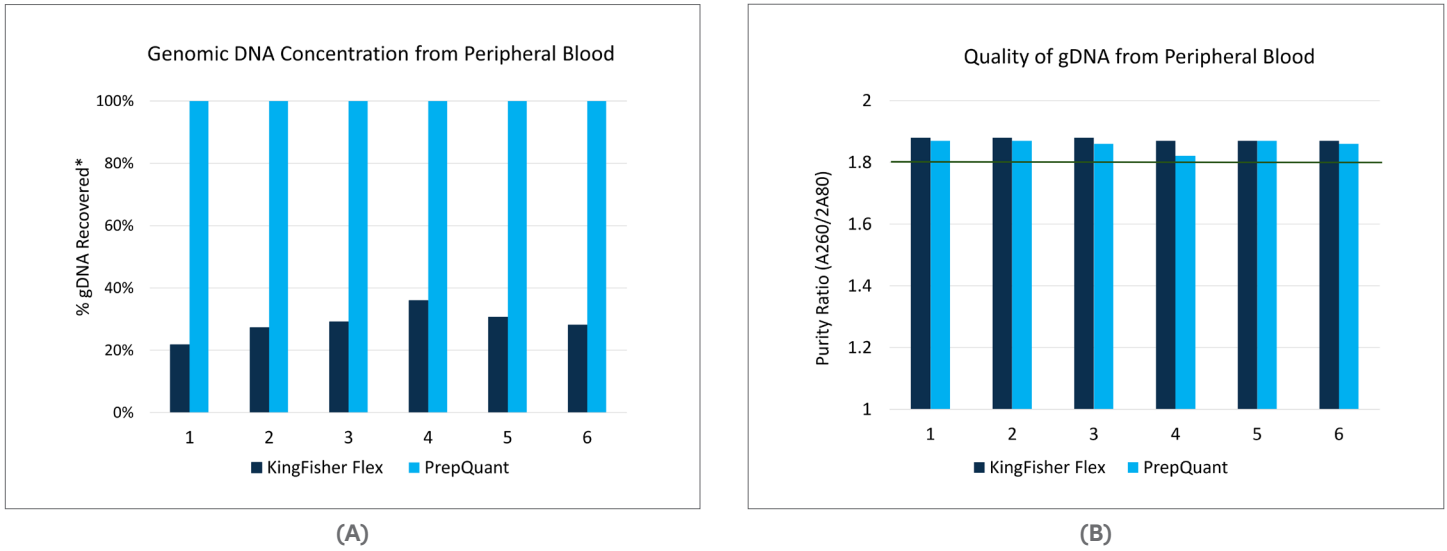


Figure 1: PrepQuant yield and quality outperforms comparable methods. Six peripheral blood samples evaluated for total DNA yield (A) quantified using Qubit fluorometer, and DNA quality, (B), purity assessed by NanoDrop A260/A280 ratios. Genomic DNA was isolated from matched samples using the PrepQuant Genomic DNA ECQ 2000 Kit and a comparable magnetic bead-based system from Thermo Fisher Scientific following manufacturer's recommended protocol.

* Concentration of gDNA (ng/μL) recovered by KingFisher Flex relative to PrepQuant

Ordering Information

Catalog Number	Product Description	Quantity
1100001	PrepQuant™ Genomic DNA ECQ 2000 kit	48 Preps

